

CLIPPEDIMAGE= JP410265967A

PAT-NO: JP410265967A

DOCUMENT-IDENTIFIER: JP 10265967 A

TITLE: RUST PREVENTIVE STEEL SHEET FOR FUEL TANK,
EXCELLENT IN PRESS
FORMABILITY AND CORROSION RESISTANCE

PUBN-DATE: October 6, 1998

INVENTOR-INFORMATION:

NAME

ISAKI, TERUAKI

FUDA, MASAHIRO

ASSIGNEE-INFORMATION:

NAME

NIPPON STEEL CORP

COUNTRY

N/A

APPL-NO: JP09075459

APPL-DATE: March 27, 1997

INT-CL (IPC): C23C028/00;B32B015/08 ;C23C002/12 ;C23C022/00
;C23C022/30

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a hot dip aluminum coated steel sheet for automobile fuel tank, excellent in press formability and corrosion resistance and having superior weldability.

SOLUTION: An organic resin chromate film, containing 0.5 to 20 wt.% lubricant and having 0.1 to 2 μ m film thickness, is formed on one side of both sides of a hot dip aluminum coated steel sheet containing 2 to 13 wt.% Si, and the coating weight of aluminum is regulated to ≤ 60 g/m² per side. Further, in the case where the resin chromate film is formed on one side, an

inorganic chromate film treatment, e.g. of (chromic acid)-silica as a typical example can be applied to the other side. The resultant aluminum coated steel sheet is a stock for automobile fuel tank, having excellent weldability as well as superior press formability and high corrosion resistance.

COPYRIGHT: (C)1998,JPO